

6. (Amended) A computer core comprising at least one interface signal carrier, a signal width of the at least one interface signal carrier being configurable at compilation to support different signal widths.

7. (Amended) A method for generating at compilation a computer core interface, the method comprising:

- providing configurable source code representative of the computer core interface and identifying parameters of the computer core interface;
- defining configuration parameters of the computer core interface; and
- generating a computer core from the configurable source code representative of the computer core interface comprising an interface comprising the identified parameters of the computer core interface configurable in accordance with the defined configuration parameters of the computer core interface.

8. (Amended) The method as set forth in claim 7, wherein at least one of the configuration parameters of the computer core interface is selected from the group consisting of parameters that define whether a signal carrier is present in the computer core interface, define different levels of functionality of the computer core interface, and define a signal width of at least one computer core interface signal.

9. (Amended) A method for generating at compilation a core with a configured interface, the method comprising:

- implementing the core as configurable source code utilizing at least one defined parameter of an interface of the core;
- selecting at least one configuration option of the at least one defined parameter of the interface of the core;
- generating the core comprising the at least one defined parameter of the interface of the core that operates in accordance with the selected interface comprising the selected at least one configuration option.

10. (Amended) The method as set forth in claim 9, wherein selecting at least one configuration option of the at least one defined parameter of the interface of the core is performed through a graphical user interface.

11. (Amended) The method as set forth in claim 9, wherein selecting at least one configuration option of the at least one defined parameter of the interface of the core is performed by deriving the at least one configuration option of the at least one defined parameter of the interface of the core from a configuration option of another core.